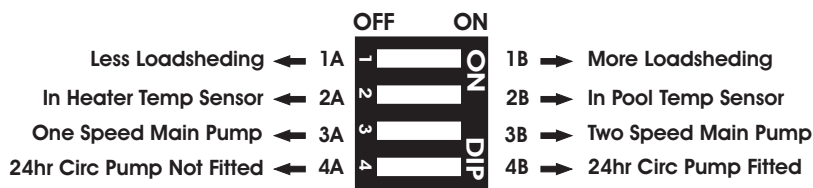


# SPA-QUIP Ltd SPA POWER 400P SETUP GUIDE

## SP400P CONFIGURATION:

**IMPORTANT: THE SPA WILL NOT WORK CORRECTLY IF THESE SETTINGS ARE WRONG.**

The SP400P controller has four selectable options controlled by DIP switches on the circuit board. It is important that the pool builder/installer understands these and sets them correctly according to the accessories connected to the SP400P.



**SW1: LOADSHEDING** - Behaves as follows when a ONE speed main pump is used.

Move the switch to the left (1A) for no loadshedding. I.e. the heater stays on when the Aux/SPVSB AND pump are on.

Move the switch to the right (1B) to make the heater go off when the Aux/SPVSB AND Pump outputs are BOTH on.

**NOTE:** when a ONE speed pump is used, switching on the SPVCL or SPCL (LED Lights) temporarily enables loadshedding, overriding the DIP switch setting. This is to control the total 12V load.

**SW1: LOADSHEDING** - Behaves as follows when a TWO speed main pump is used.

Move the switch to the left (1A) to make the heater go off when the Pump High AND SPVSB are BOTH on.

Move the switch to the right (1B) to make the heater go off when EITHER the Pump High OR SPVSB are on.

**IMPORTANT NOTE: IT IS THE POOL BUILDER AND INSTALLERS RESPONSIBILITY TO ENSURE THAT THE SP400P IS NOT OVER LOADED, BY ENABLING THE LOADSHEDING IF NECESSARY. THE CURRENT DRAW OF EVERY POOL SHOULD BE MEASURED WITH THE MAXIMUM POSSIBLE LOADS TURNED ON.**

**SW2: TEMP SENSOR POSITION** - NB Only connect one sensor at a time, NOT BOTH.

Move the switch to the left (2A) for units fitted with an internal (in heater) Temperature Sensor.

Move the switch to the right (2B) for units fitted with an external (in pool) Temperature Sensor.

**SW3: MAIN PUMP TYPE** - (Regardless of whether a 24Hr Circ Pump is fitted)

Move the switch to the left (3A) for units fitted with a Single Speed main Pump.

Move the switch to the right (3B) for units fitted with a Two Speed main Pump.

**SW4: 24 HOUR CIRCULATION PUMP**

Move the switch to the left (4A) for units NOT fitted with a small 24Hour Circulation Pump.

Move the switch to the right (4B) for units FITTED with a small 24 Hour Circulation Pump.

### Electrical:

1. The spa pool must be connected to a suitable weather protected supply, equipped with a double pole isolating switch, of the correct rating and complying with local wiring regulations.
2. When installing refer to your local wiring code. In particular refer to ECP2 and ECP25 (AUS / NZ). Or EN 60364-4-1 and EN 60364-7-1 (EU).
3. The system must be installed so that live parts are not accessible by a person in the pool.

### Plumbing:

1. When connecting pipework to the heater make sure the 'O' rings are properly seated in the mac union fitting. Hand tighten only. Using tools will distort the fittings.
2. Fitting valves is recommended so the controller can be removed for service without the loss of water.
3. Make sure the controller is mounted securely so that vibration is minimised.

Label part No : 916660A